IEEE Workshop on Omnidirectional Vision (OMNIVIS'00)

June 16 - 16, 2000

Hilton Head, South Carolina

PDF's require Adobe Acrobat 4.05+
Click Here to download

	Free	Requires Subscription	Purchase
p. vii • Preface	PDF		
p. viii • Program Committee	PDF		
Session: Reconstruction I	**Free**	**Requires Subscription**	**Purchase**
p. 3 • Video Plus *Camillo J. Taylor*	SUMMARY	PDF	BUY ARTICLE
p. 11 • Multi-Camera Networks: Eyes from Eyes *C. Fermüller, Y. Aloimonos, P. Baker, R. Pless, J. Neumann, B. Stuart*		PDF	BUY ARTICLE
Session: Surveillance and Navigation I	**Free**	**Requires Subscription**	**Purchase**
p. 21 • Omni-Directional Vision for Robot Navigation *Niall Winters, José Gaspar, Gerard Lacey, José Santos-Victor*	SUMMARY	PDF	BUY ARTICLE
p. 29 • Panoramic Virtual Stereo Vision of Cooperative Mobile Robots for Localizing 3D Moving Objects *Zhigang Zhu, K. Deepak Rajasekar, Edward M. Riseman, Allen R. Hanson*	SUMMARY	PDF	BUY ARTICLE
p. 37 • Robust Localization Using Eigenspace of Spinning-Images *Matjaz Jogan, Ales Leonardis*		PDF	BUY ARTICLE
Session: Visualization	**Free**	**Requires Subscription**	**Purchase**
p. 47 • Acquiring and Rendering High-Resolution Spherical Mosaics *Adam Kropp, Neel Master, Seth Teller*	SUMMARY	PDF	BUY ARTICLE
p. 54 • Automatic Disparity Control in Stereo Panoramas (OmniStereo) *Yael Pritch, Moshe Ben-Ezra, Shmuel Peleg*	SUMMARY	PDF	BUY ARTICLE
p. 62 • Construction of an Immersive Mixed Environment Using an Omnidirectional Stereo Image Sensor *Jun Shimamura, Naokazu Yokoya, Haruo Takemura, Kazumasa Yamazawa*	SUMMARY	PDF	BUY ARTICLE
p. 70 • Panoramic Image Archives for As-Built			

Modeling of Complex Industrial Assets *David Chapman, Andrew Deacon*	SUMMARY	PDF	BUY ARTICLE
Session: Catadioptric Designs	**Free**	**Requires Subscription**	**Purchase**
p. 79 • Omniview Cameras with Curved Surface Mirrors *Alfred M. Bruckstein, Thomas J. Richardson*	SUMMARY	PDF	BUY ARTICLE
p. 85 • Approximating a Single Viewpoint in Panoramic Imaging Devices *Steven Derrien, Kurt Konolige*	SUMMARY	PDF	BUY ARTICLE
p. 91 • Equivalence of Catadioptric Projections and Mappings of the Sphere *Christopher Geyer, Kostas Daniilidis*	SUMMARY	PDF	BUY ARTICLE
p. 97 • Catadioptric Sensors that Approximate Wide-Angle Perspective Projections *R. Andrew Hicks, Ruzena Bajcsy*	SUMMARY	PDF	BUY ARTICLE
p. 104 • A Complete Panoramic Vision System, Incorporating Imaging, Ranging, and Three Dimensional Navigation *J.S. Chahl, M.V. Srinivasan*	SUMMARY	PDF	BUY ARTICLE
p. 112 • A New Catadioptric Sensor for the Panoramic Vision of Mobile Robots *R. Benosman, E. Deforas, J. Devars*	SUMMARY	PDF	BUY ARTICLE
Session: Reconstruction II	**Free**	**Requires Subscription**	**Purchase**
p. 119 • A Method for 3D Reconstruction of Piecewise Planar Objects from Single Panoramic Images *Peter Sturm*		PDF	BUY ARTICLE
p. 127 • Omni-Directional Structure from Motion *Peng Chang, Martial Hebert*	SUMMARY	PDF	BUY ARTICLE
p. 134 • Complete Calibration of a Multi-camera Network *Patrick Baker, Yiannis Aloimonos*	SUMMARY	PDF	BUY ARTICLE
Session: Surveillance and Navigation II	**Free**	**Requires Subscription**	**Purchase**
p. 145 • Experimental Results got with the Omnidirectional Vision Sensor: Syclop *Eric Brassart, Laurent Delahoche, Cyril Cauchois, Cyril Drocourt, Claude Pegard, El Mustapha Mouaddib*	SUMMARY	PDF	BUY ARTICLE
p. 153 • Real-Time Target Localization and Tracking by N-Ocular Stereo *Takushi Sogo, Hiroshi Ishiguro, Mohan M. Trivedi*	SUMMARY	PDF	BUY ARTICLE
p. 161 • Large Motion Estimation for Omnidirectional Vision	SUMMARY	PDF	BUY ARTICLE

J.W. Lee, S. You, U. Neumann

p. 169 • Segmentation, Tracking and Interpretation Using Panoramic Video PDF BUY ARTICLE
Mircea Nicolescu, Gerard Medioni, Mi-Suen Lee

p. 175 • Index of Authors PDF

The full text of omnivis is available to members of the IEEE Computer Society who have an online subscription and an web account.

This site and all contents (unless otherwise noted) are Copyright ©2002 , Institute of Electrical and Electronics Engineers, Inc. All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore® RELEASE 1.6

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review Quick Links

Welcome to IEEE Xplore®
- Home
- What Can I Access?
- Log-out

Tables of Contents
- Journals & Magazines
- Conference Proceedings
- Standards

Search
- By Author
- Basic
- Advanced

Member Services
- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

Your search matched **3** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 **Omnistereo: panoramic stereo imaging**
Peleg, S.; Ben-Ezra, M.; Pritch, Y.;
Pattern Analysis and Machine Intelligence, IEEE Transactions on ,Volume: 23 , Issue: 3 , March 2001
Pages:279 - 290

[Abstract] [PDF Full-Text (2980KB)] **IEEE JNL**

2 **Cameras for stereo panoramic imaging**
Peleg, S.; Pritch, Y.; Ben-Ezra, M.;
Computer Vision and Pattern Recognition, 2000. Proceedings. IEEE Conferenc ,Volume: 1 , 13-15 June 2000
Pages:208 - 214 vol.1

[Abstract] [PDF Full-Text (524KB)] **IEEE CNF**

3 **Automatic disparity control in stereo panoramas (OmniStereo)**
Pritch, Y.; Ben-Ezra, M.; Peleg, S.;
Omnidirectional Vision, 2000. Proceedings. IEEE Workshop on , 12 June 2000
Pages:54 - 61

[Abstract] [PDF Full-Text (1128KB)] **IEEE CNF**

Copyright © 2004 IEEE — All rights reserved